

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Takehiro Fujii

Examiner: Unassigned

Serial No.: Unassigned

Group Art Unit: Unassigned

Filed: Herewith

Docket: 362-59 PCT/US

For: SIDE-EMISSION TYPE
SEMICONDUCTOR LIGHT-EMITTING
DEVICE AND MANUFACTURING METHOD
THEREOF

Dated: 21 December 2001

Commissioner for Patents
Washington, DC 20231

Customer No.: 23869

PRELIMINARY AMENDMENT

Sir:

Prior to the examination of this application, please amend the application as follows:

IN THE CLAIMS:

Please amend claims 7 and 13 by rewriting the same as follows:

7. (Amended) A side-emission type semiconductor light-emitting device according to claim 4, wherein said LED chip has a bonding wire extending from a top surface, and said concave portion is formed directly above said LED chip.

13. (Amended) A side-emission type semiconductor light-emitting device according to claim 11, wherein a center of said application area is deviated from a center of said substrate to said opposite direction.

Please add the following new claims:

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14. A side-emission type semiconductor light-emitting device according to claim 5, wherein said LED chip has a bonding wire extending from a top surface, and said concave portion is formed directly above said LED chip.

15. A side-emission type semiconductor light-emitting device according to claim 6, wherein said LED chip has a bonding wire extending from a top surface, and said concave portion is formed directly above said LED chip.

16. A side-emission type semiconductor light-emitting device according to claim 12, wherein a center of said application area is deviated from a center of said substrate to said opposite direction.--

REMARKS

The amendment herein to the claims is made to delete the multiple dependency of claims 7 and 13. New claim 14 has been added and incorporates the subject matter set forth in claim 7, except that claim 14 depends from claim 5. New claim 15 has been added and incorporates the subject matter set forth in claim 7, except that claim 15 depends from claim 6. New claim 16 has been added and incorporates the subject matter set forth in claim 13, except that claim 16 depends from claim 12.

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It is believed that the application is in proper form for examination and such action is respectfully solicited.

Respectfully submitted,



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VERSION OF AMENDMENT WITH MARKINGS
TO SHOW CHANGES MADE

IN THE CLAIMS:

7. (Amended) A side-emission type semiconductor light-emitting device according to [any one of claims 4 to 6] claim 4, wherein said LED chip has a bonding wire extending from a top surface, and said concave portion is formed directly above said LED chip.

13. (Amended) A side-emission type semiconductor light-emitting device according to claim 11 [or 12], wherein a center of said application area is deviated from a center of said substrate to said opposite direction.